

**SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION**

Company: AccuStandard, Inc.  
125 Market Street  
New Haven, CT 06513

Date MSDS Printed: 9/12/2008  
Preparation Date: 9/12/2008  
Information Phone Number: 203-786-5290  
Emergency Phone Number: 203-786-5290  
Hours: Mon. to Fri. 8am-5pm

Catalog Number: **C-CS-02**

Product Name: PCB Congener Mix #2

Synonyms: N/A

Formula: N/A

Molecular Weight: N/A

**SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS**

Component(s) ( 37 )	CAS #	Appr. %	ACGIH-TLV (mg/m3)		OSHA-PEL (mg/m3)	
			TWA	STEL skin	TWA	STEL skin
2,3-Dichlorobiphenyl	16605-91-7	0.001				
2,4-Dichlorobiphenyl	33284-50-3	0.001				
2,6-Dichlorobiphenyl	33146-45-1	0.001				
2,2',4-Trichlorobiphenyl	37680-66-3	0.001				
2,3,6-Trichlorobiphenyl	55702-45-9	0.001				
2,3',5-Trichlorobiphenyl	38444-81-4	0.001				
2,4',5-Trichlorobiphenyl	16606-02-3	0.001				
2,4',6-Trichlorobiphenyl	38444-77-4	0.001				
3,4,4'-Trichlorobiphenyl	38444-90-5	0.001				
2,2',3,4-Tetrachlorobiphenyl	52663-59-9	0.001				
2,2',3,6-Tetrachlorobiphenyl	70362-45-7	0.001				
2,2',3,6'-Tetrachlorobiphenyl	41464-47-5	0.001				
2,2',4,5-Tetrachlorobiphenyl	70362-47-9	0.001				
2,3,4,4'-Tetrachlorobiphenyl	33025-41-1	0.001				
2,3',4',5-Tetrachlorobiphenyl	32598-11-1	0.001				
2,2',3,3',5-Pentachlorobiphenyl	60145-20-2	0.001				
2,2',3,3',6-Pentachlorobiphenyl	52663-60-2	0.001				
2,2',3,5',6-Pentachlorobiphenyl	38379-99-6	0.001				
2,2',4,5',6-Pentachlorobiphenyl	60145-21-3	0.001				
2,3,3',4',5-Pentachlorobiphenyl	70424-68-9	0.001				
2,3,4,4',6-Pentachlorobiphenyl	74472-38-1	0.001				
2,2',3,3',4,6-Hexachlorobiphenyl	61798-70-7	0.001				
2,2',3,3',4,6'-Hexachlorobiphenyl	38380-05-1	0.001				
2,2',3,3',5,6'-Hexachlorobiphenyl	52744-13-5	0.001				
2,2',3,4,5,5'-Hexachlorobiphenyl	52712-04-6	0.001				
2,2',3,4',5',6-Hexachlorobiphenyl	38380-04-0	0.001				
2,3,3',4',5',6-Hexachlorobiphenyl	74472-45-0	0.001				
2,2',3,3',4,4',5-Heptachlorobiphenyl	35065-30-6	0.001				
2,2',3,3',4,4',6-Heptachlorobiphenyl	52663-71-5	0.001				
2,2',3,3',4,5,5'-Heptachlorobiphenyl	52663-74-8	0.001				
2,2',3,3',5,5',6-Heptachlorobiphenyl	52663-67-9	0.001				
2,2',3,4,4',5',6-Heptachlorobiphenyl	52663-69-1	0.001				
2,3,3',4',5,5',6-Heptachlorobiphenyl	69782-91-8	0.001				
2,2',3,3',4,4',5,6'-Octachlorobiphenyl	42740-50-1	0.001				
2,2',3,3',4,4',6,6'-Octachlorobiphenyl	33091-17-7	0.001				
2,3,3',4,4',5,5',6-Octachlorobiphenyl	74472-53-0	0.001				
Isooctane	540-84-1	99.964				

**SECTION 3 - HAZARDS IDENTIFICATION**

Catalog Number:  
**C-CS-02**

Alteration of any information contained herein without  
written permission from AccuStandard strictly prohibited.

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**Health and Environmental Hazards/Symptoms of Exposure:**

Inhalation may cause dizziness, nausea, lack of coordination, narcosis, unconsciousness. Ingestion may cause diarrhea, slight central nervous system depression, difficulty with breathing and fatigue.

Isooctane has produced kidney damage in rats in a subchronic oral laboratory study.

**Potential Health Effects:**

Irritating to eyes.

Irritating to skin.

May be harmful if absorbed through the skin.

Irritating to mucous membrane and upper respiratory system.

May be harmful if inhaled.

Harmful if swallowed.

**Routes of Entry:**

Inhalation, ingestion or skin contact.

**Carcinogenicity:**

Notification of carcinogenic ingredients in quantity less than 0.1% is not required under Federal Hazard Communication Law.

Contains one or more components that are classified (ACGIH, IARC, NTP, OSHA) as a suspected cancer hazard in quantities less than 0.1%.

**SECTION 4 - FIRST AID MEASURES****Emergency First Aid:**

Get medical assistance for all cases of overexposure.

Skin contact: Wash thoroughly with soap and water. Get medical attention if irritation develops or persists.

Eye contact: Immediately flush with plenty of water. After initial flushing, remove and contact lenses and continue flushing for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

Ingestion: Do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

**SECTION 5 - FIRE FIGHTING MEASURES****Flammable Properties:**

Flash Point: 10.4 °F (-12 °C) (cc)

Flammable Limits LEL (%): 1.00

Flammable Limits UEL (%): 6.00

Autoignition Temperature: 396 °C

HMIS® III

2	3	0
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NFPA

2	3	0
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Dangerous fire hazard.

Containers can build up pressure if exposed to heat.

Vapors can travel to a source of ignition and flash back.

During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

**Extinguishing Media:**

Use alcohol foam, carbon dioxide, dry chemical, or water spray when fighting fires involving this material.

**Fire Fighting Procedures:**

As in any fire, wear self-contained breathing apparatus pressure demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

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**Spill Response:**

Wear suitable protective equipment listed under Exposure Controls / Personal Protection. Eliminate any ignition sources until the area is determined to be free from explosion or fire hazards. Contain the release and eliminate its source, if this can be done without risk. Dispose as hazardous waste. Comply with Federal, State and local regulations.

**SECTION 7 - HANDLING AND STORAGE**

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Store in a tightly closed container.

Store in a cool area away from ignition sources and oxidizers.

Electrically ground all equipment when handling this product.

Do not breathe vapor.

Use with adequate ventilation.

Do not get in eyes, on skin or clothing.

Avoid prolonged or repeated exposure.

This product should only be used by persons trained in the safe handling of hazardous chemicals.

**SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION**

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**Engineering Controls and Personal Protection Equipment (PPE):**

Respiratory Protection: If workplace exposure limit(s) of product or any component is exceeded (see TLV/PEL), a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure type) under specified conditions (see your safety equipment supplier). Engineering and/or administrative controls should be implemented to reduce exposure.

Material must be handled or transferred in an approved fume hood or with equivalent ventilation.

Protective gloves must be worn to prevent skin contact.

(Nitrile or equivalent)

Safety glasses with side shields must be worn at all times.

**General Hygiene Considerations:**

Wash thoroughly after handling. Do not take internally. Eye wash and safety equipment should be readily available.

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

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Appearance: Clear liquid

Odor: Mild odor

pH: N/A

Vapor Pressure: 41 mmHg (21 °C)

Vapor Density (Air = 1): 3.9 g/l

Boiling Point: 99.2 °C

Melting Point: -107.3 °C

Solubility in Water (%): Insoluble

Specific Gravity (H<sub>2</sub>O = 1): 0.691 g/cm<sup>3</sup>

Flash Point: 10.4 °F (-12 °C) (cc)

Explosion Limits (%): 1.00 to 6.00

Autoignition Temperature: 396 °C

Percent Volatile: 99+

Evaporation Rate (BuAc = 1): >1

Molecular Weight: N/A

Molecular Formula: N/A

**SECTION 10 - STABILITY AND REACTIVITY**

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Stability: Stable

Conditions To Avoid: Heat; Contact with ignition sources

Materials To Avoid: Oxidizers

Hazardous Decomposition: Carbon oxides

Hazardous Polymerization: Will not occur

**SECTION 11 - TOXICOLOGICAL INFORMATION**

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See section 3 for specific toxicological information for the ingredients of this product.

**SECTION 12 - ECOLOGICAL INFORMATION**

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By complying with sections 6 and 7 there will be no release to the environment.

**SECTION 13 - DISPOSAL CONSIDERATIONS**

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Recycle or incinerate at any EPA approved facility or dispose in compliance with Federal, State and local regulations. Empty containers must be triple-rinsed prior to disposal.

**SECTION 14 - TRANSPORT INFORMATION**

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**DOT** UN Number: UN1262 Shipping Class: 3 Packing Group: II **FLAMMABLE**

**SECTION 15 - REGULATORY INFORMATION**

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In addition to Federal and state regulations, local regulations may apply. Check with your local regulatory authorities.

All components are listed on the TSCA Inventory. For laboratory, reasearch and development use only. Not for manufacturing or commercial purposes.

WARNING: This product contains chemical(s) known to the state of California to cause cancer and to cause birth defects or other reproductive harm.

#### **SECTION 16 - OTHER INFORMATION**

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This document has been designed to meet the requirements of OSHA, ANSI and CHIPs regulations.

The statements contained herein are offered for informational purposes only and are based on technical data that we believe to be accurate. It is intended for use only by persons having the necessary technical skill and at their own discretion and risk. Since conditions and manner of use are outside our control, we make  
NO WARRANTY, EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE.

Legend : N/A = Not Available    ND = Not Determined    NR = Not Regulated

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